



CLAIMS

1. A transmission method for transmitting image data to a terminal of a communicating partner using a communication network, the multiple-image transmission method, comprising:

a transmitting-side terminal for transmitting a plurality of image data for a stereoscopic vision to the communication network; and

an intermediary station of the communication network for determining whether or not the terminal of the communicating partner is stereoscopic vision-applicable, transmitting a plurality of the image data for the stereoscopic vision to a stereoscopic vision-applicable terminal, and on the other hand, transmitting one image data, out of a plurality of said image data to a stereoscopic vision-nonapplicable terminal.

2. A method for transmitting image data to a terminal of a communicating partner using a communication network, the mobile apparatus having a plural-image simultaneous photographing function, comprising:

an intermediary station of the communication network for determining whether or not the terminal of the communicating partner is stereoscopic vision-applicable, and conveying a result thereof to a transmitting-side terminal; and

a transmitting-side terminal for transmitting, when the terminal of the communicating partner is stereoscopic vision-applicable, a plurality of image data for a stereoscopic

vision to the terminal of the communicating partner, and transmitting, when the terminal of the communicating partner is stereoscopic vision-nonapplicable, one image data out of said plurality of image data.

3. A mobile apparatus having a multiple-image simultaneous photographing function, comprising:

a stereoscopic camera means for obtaining a plurality of image data for a stereoscopic vision by executing a simultaneous photographing; and

a communication means for transmitting said plurality of image data for stereoscopic vision to a communication network.

4. A mobile apparatus having a multiple-image simultaneous photographing function, comprising:

a stereoscopic camera means for obtaining a plurality of image data for a stereoscopic vision by executing a simultaneous photographing;

a means for measuring a distance between the mobile apparatus and an object to be imaged on the basis of said plurality of image data for stereoscopic vision; and

a means for generating information based on a measured distance so as to present the information to a user.

5. A mobile apparatus having a multiple-image simultaneous photographing function, comprising:

a stereoscopic camera means for obtaining a plurality of image data for the stereoscopic vision by executing a

simultaneous photographing;

a means for generating three-dimensional data on the basis of said plurality of image data for the stereoscopic vision;

a means for carrying out an approximate measuring of location information; and

a means for obtaining detailed location information on the basis of a correspondence between three-dimensional map data of a present location obtained by said approximate measuring, and three-dimensional data formed of said plurality of image data for the stereoscopic vision, and presenting the information to a user.

6. A mobile apparatus having a multiple-image simultaneous photographing function according to claim 5, wherein the approximate measuring of said location information is performed by a GPS.

7. A mobile apparatus having a multiple-image simultaneous photographing function according to claim 5 or 6, wherein the three-dimensional data based on said plurality of image data for the stereoscopic vision is transmitted to a data processing center via a communication network, and the detailed location information calculated by the data processing center is obtained by a communication.

8. A mobile apparatus having the multiple-image simultaneous photographing function according to any one of claims 3 to 7, wherein said stereoscopic camera means, as a result of being provided with two cameras, executes a simultaneous

photographing so as to obtain a plurality of image data for the stereoscopic vision.

9. A mobile apparatus having the multiple-image simultaneous photographing function according to any one of claims 3 to 7, wherein said stereoscopic camera means is provided with one camera, and a terminal with which the other camera is detachably provided, and carries out the simultaneous photographing using the both cameras so as to obtain a plurality of image data for the stereoscopic vision.

10. A mobile apparatus having the multiple-image simultaneous photographing function according to any one of claims 3 to 7, wherein said stereoscopic camera means is provided with one camera, in addition, a means for remotely operating another camera apparatus, and a means for receiving photographed image data, and executes the simultaneous photographing using said camera and said camera apparatus so as to obtain a plurality of image data for the stereoscopic vision.

11. A mobile apparatus having a multiple-image simultaneous photographing function according to claim 10, comprising a means for displaying two images, wherein image photographed by the camera of said mobile apparatus is displayed on one image display side, and an image received from another camera apparatus is displayed on the other image display side.

12. A mobile apparatus having a multiple-image

simultaneous photographing function according to claim 10, comprising a stereoscopic image display means for allowing stereoscopic vision to be carried out by a plurality of image data for the stereoscopic vision, wherein stereoscopic vision display for confirmation is carried out using an image being photographed by the camera of said mobile apparatus, and an image being received from another camera apparatus.

13. A mobile apparatus having a multiple-image simultaneous photographing function according to claim 8, wherein at least one of the two cameras is rendered capable of moving a location, and an interval between the two cameras is rendered variable.

14. A mobile apparatus having the multiple-image simultaneous photographing function according to claim 8, provided with two cameras, one of which is on a surface side of the apparatus, and the other of which is on a rear side of the apparatus, and any one of the cameras rotated by a hinge so as to be faced to the surface side or the rear side.

15. A mobile apparatus having a multiple-image simultaneous photographing function according to claim 14, wherein a rotation angle of the camera is settable.

16. A mobile apparatus having a multiple-image simultaneous photographing function according to any one of claims 3 to 11, or claims 13 to 15, comprising a stereoscopic image display means for allowing a stereoscopic vision on the

basis of a plurality of image data for the stereoscopic vision.